

What is claimed is:

- 1 1. An operational system comprising:
2 at least one seed-bearing device having at least one seed;
3 at least one key-determinative device determining at least one
4 key in response to said at least one seed;
5 at least one code-determinative device determining at least one
6 code in response to said at least one key; and
7 at least one controller performing at least one task in response to
8 said at least one code.
- 1 2. A system as in claim 1 wherein said at least one seed-
2 bearing device stores said at least one seed at least one predetermined address
3 and said at least one key determinative device has stored identification of said at
4 least one address.
- 1 3. A system as in claim 2 wherein identification of said at
2 least one address is inaccessible to said at least one seed-bearing device.
- 1 4. A system as in claim 1 wherein said at least one key-
2 determinative device comprises at least one key algorithm for determining said
3 at least one key.
- 1 5. A system as in claim 1 wherein said at least one seed-
2 bearing device is unable to determine said at least one key.
- 1 6. A system as in claim 1 wherein said at least one seed-
2 bearing device comprises at least one of said at least one key-determinative
3 device.

1 7. A system as in claim 1 wherein said at least one key-
2 determinative device comprises at least one of said at least one seed-bearing
3 device.

1 8. A system as in claim 1 wherein said at least one seed-
2 bearing device comprises at least one decryption engine that decrypts said at
3 least one code.

1 9. A system as in claim 1 wherein said at least one seed-
2 bearing device verifies said at least one code.

1 10. A system as in claim 1 wherein said at least one key-
2 determinative device verifies said at least one code.

1 11. A system as in claim 1 wherein said at least one seed
2 bearing device comprises:
3 a first seed-bearing device having a first seed; and
4 a second seed-bearing device having a second seed.

1 12. A system as in claim 11 wherein said at least one key-
2 determinative device comprises:
3 a first key-determinative device determining a first key in
4 response to said first seed; and
5 a second key determinative device determining a second key in
6 response to said second seed.

1 13. A system as in claim 1 wherein the operational system
2 comprises:
3 a seed-bearing device having a first seed;

4 a multi-purpose device having a second seed and determining a
5 first key in response to said first seed; and
6 a key-determinative device determining a second key in response
7 to said second seed.

1 14. A system as in claim 1 wherein said at least one code-
2 determinative device is at least one of a seed-bearing device, a key-
3 determinative device, a decryption engine, and a controller.

1 15. A system as in claim 1 wherein said at least one seed-
2 bearing device and said at least one key-determinative device comprise said at
3 least one controller.

1 16. A system as in claim 1 wherein said at least one seed-
2 bearing device is at least one of a smart device, supporting equipment, and
3 fielded equipment.

1 17. A system as in claim 1 wherein said at least one key-
2 determinative device is at least one of a smart device, supporting equipment,
3 and fielded equipment.

1 18. A method of preventing access to code within an
2 operational system comprising:
3 determining at least one key in a first device in response to at
4 least one seed contained within a second device;
5 determining at least one code in said second device in response
6 to said at least one key; and
7 enabling the operational system to perform at least one task in
8 response to said at least one code.

1 19. A method as in claim 18 wherein determining at least one
2 key comprises executing an algorithm to calculate said at least one key in
3 response to said at least one seed.

1 20. A method as in claim 18 wherein determining at least one
2 code comprises decrypting an encrypted code.

1 21. A method as in claim 18 further comprising verifying
2 said at least one code.

1 22. An operational system comprising:
2 at least one smart device having at least one seed and encrypted
3 code;
4 supporting equipment determining at least one key in response to
5 said at least one seed;
6 said at least one smart device decrypting said encrypted code in
7 response to said at least one key to generate a decrypted code; and
8 a controller performing at least one task in response to said
9 decrypted code.